Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

FROUGH SHERWANI, REVIEWER

GENERAL INFORMATION:

Name:	Publishers Printing Company-Shepherdsville Facility
Address:	100 Frank E. Simon Avenue, Shepherdsville Kentucky 40165
Date application received:	October 4, 2005
SIC/Source description:	2721/Offset Lithographic Paper Printing Plant
AFS(10-digit) Plant ID:	21-029-00019
AI number:	469
Permit number:	V-06-041
Activity Number:	APE20050002

APPLICATION TYPE/PERMIT ACTIVITY:

[ ] Initial issuance	[ ] General permit
[ ] Permit modification	[ ]Conditional major
__Administrative	[X] Title V
__Minor	[X] Synthetic minor
__Significant	[X] Operating
[X] Permit renewal	[ ] Construction/operating

COMPLIANCE SUMMARY:

[ ] Source is out of compliance [ ] Compliance schedule included

[ ] Compliance certification signed

APPLICABLE REQUIREMENTS LIST:

[ ] NSR	[ ] NSPS	[ ] SIP
[ ] PSD	[ ] NESHAPS	[ ] Other
[ ] Netted out of PSD/NSR	[ ]	Not major modification per 401 KAR 51:017, 1(2)(b) or 51:052,1(14)(b)

MISCELLANEOUS:

[ ] Acid rain source

[ ] Source subject to 112(r)

[ ] Source applied for federally enforceable emissions cap

[ ] Source provided terms for alternative operating scenarios

[ ] Source subject to a MACT standard

[ ] Source requested case-by-case 112(g) or (j) determination

[ ] Application proposes new control technology

[X] Certified by responsible official

[X] Diagrams or drawings included

[ ] Confidential business information (CBI) submitted in application

[ ] Pollution Prevention Measures

[X] Area is non-attainment (list pollutants): Ozone and PM2.5

EMISSIONS SUMMARY:

Pollutants	Actual (TPY)	Potential (TPY)
PM/PM10	0.399	0.763
VOC	23.12	101
SO2	0.0244	0.0603
NO2	7.75	10.05
CO	2.03	6.83
Glycol Ether	8.68	19.55

SOURCE PROCESS DESCRIPTION:

Publishers Printing Company is an offset lithographic paper printing plant which prints magazines. Printing takes place on ten offset lithographic presses each with a natural gas fired dryer. Insignificant activities consist of a waste paper cyclone and dust cllector system, small hot melt gluers, ink jet printing and head cleaning, two magazine glueing machines, three cooling towers, three chillers, cold solvent cleaner, non process space and water heaters, propane tank (18,000 gallons), 39 Co Ray Vac Radiant Comfort heaters (40, 000 Btu/hr each, natural gas/propane), eleven (11) space heaters (Total 1.66 mmBtu/hr, three @ 80,000 Btu/hr, two 115,000 Btu/hr
two @ 195, 000 Btu/hr and four @ 200,000 Btu/hr, natural gas/propane).

EMISSION AND OPERATING CAPS DESCRIPTION:

1. VOC emissions from Press Emission Point 3 (Press 442) shall not equal or exceed 40 tons/yr based on a 12 month rolling total to preclude applicability of 401 KAR 51:052, Review of new sources in or impacting upon non attainment areas;
2. Fountain solution as applied containing less than 3% by weight alcohol substitutes and containing no alcohol and no other VOC's;
3. Blanket wash with a vapor pressure of less than 10 mmHg at 20 degrees C;
4. Negative pressure shall be maintained at each dryer's exhaust inlet when the corresponding press is in operation;
5. The permittee shall retest the RTO at least once during the life of this new permit;
6. Each press and the control device shall be interlocked at all times during press operation;
7. Pursuant to 401 KAR 50:012, Section 1(2), the permittee shall operate the Regenerative Thermal Oxidizer (RTO) at all times printing is being performed;
8. RTO shall have 90% VOC destruction efficiency, controlling each press' dryer exhaust.